

FIG. 5  
(PRIOR ART)

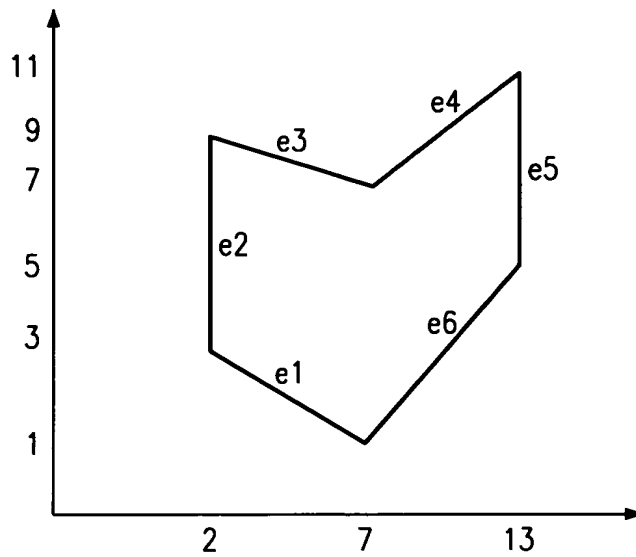


FIG. 8

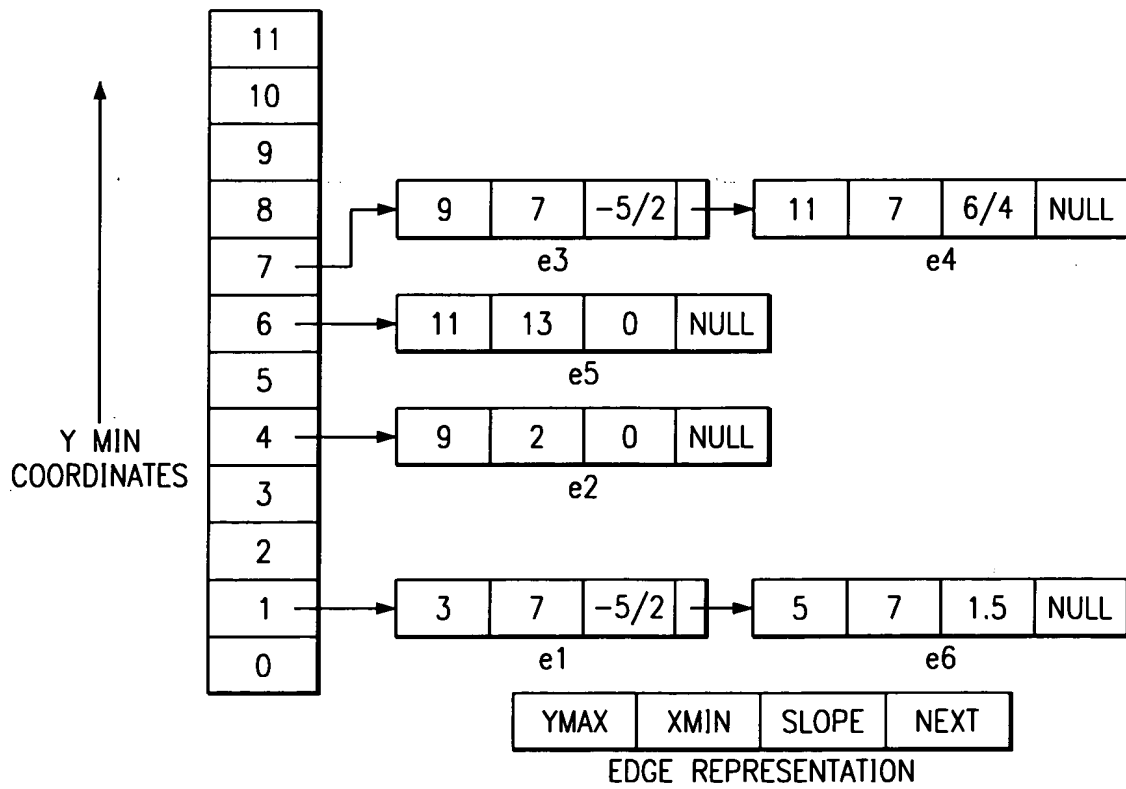
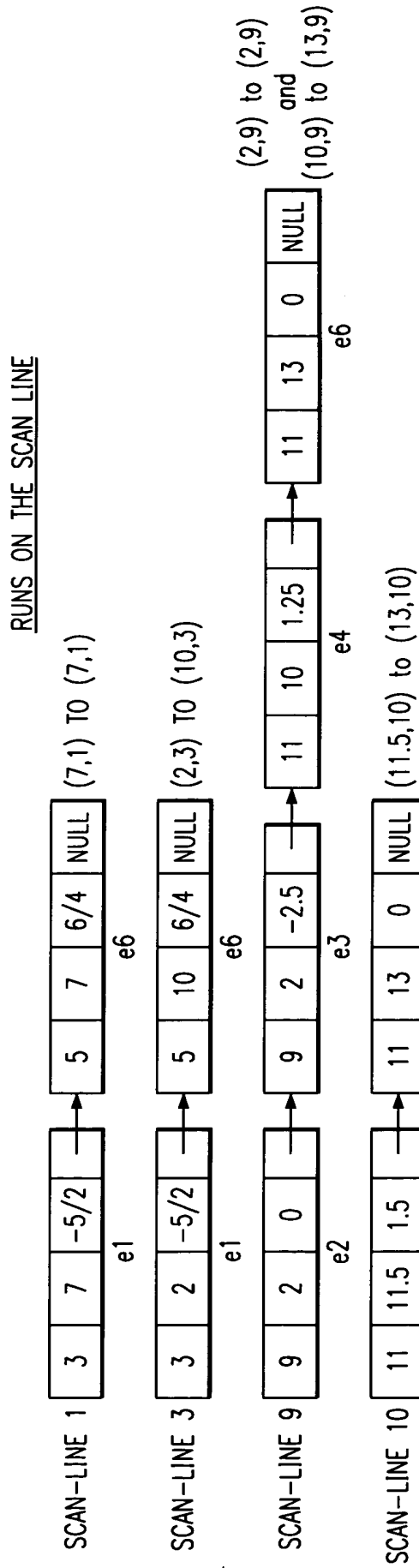
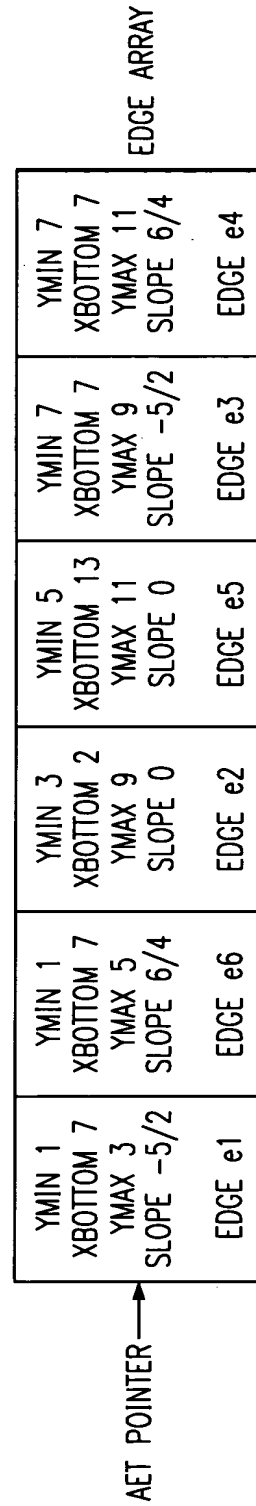


FIG. 9  
(PRIOR ART)

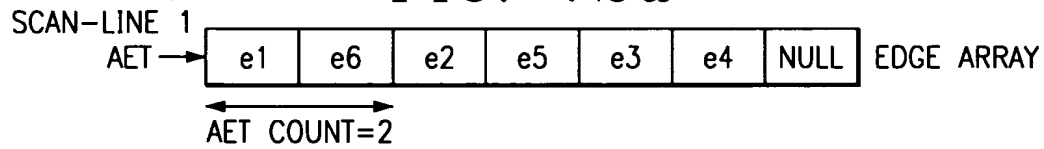


*FIG. 10*  
(PRIOR ART)

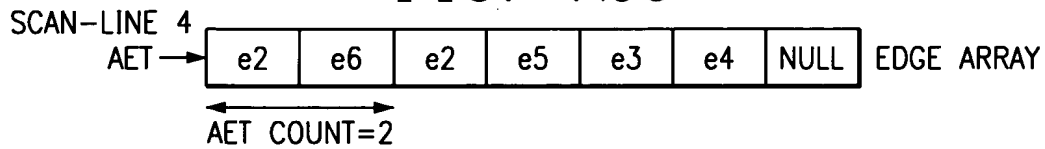


*FIG. 11*

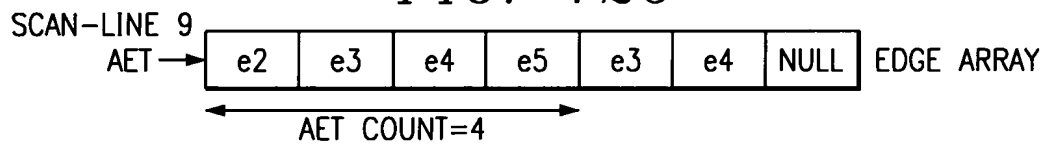
*FIG. 12a*



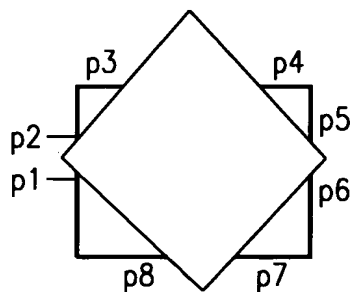
*FIG. 12b*



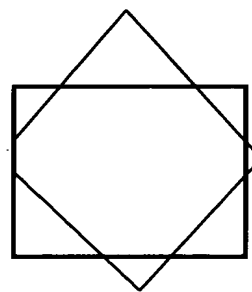
*FIG. 12c*



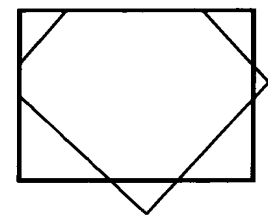
*FIG. 13a*  
(PRIOR ART)



*FIG. 13b*  
(PRIOR ART)



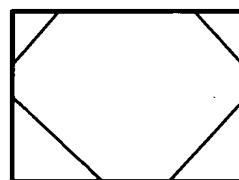
*FIG. 13c*  
(PRIOR ART)



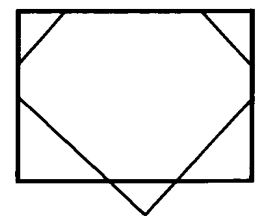
CLIP WITH  
RIGHT EDGE  
↓

SQUARE=CLIP POLYGON  
DIAMOND=SUBJECT POLYGON

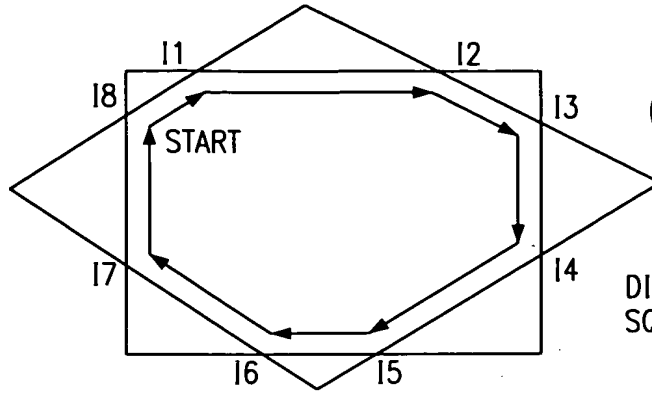
*FIG. 13e*  
(PRIOR ART)



*FIG. 13d*  
(PRIOR ART)

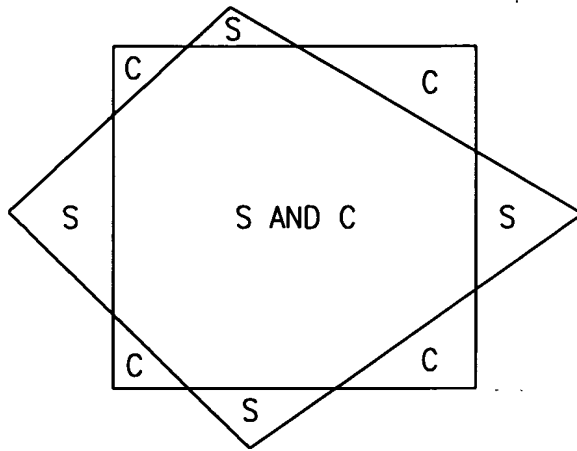


CLIP WITH  
BOTTOM EDGE  
←



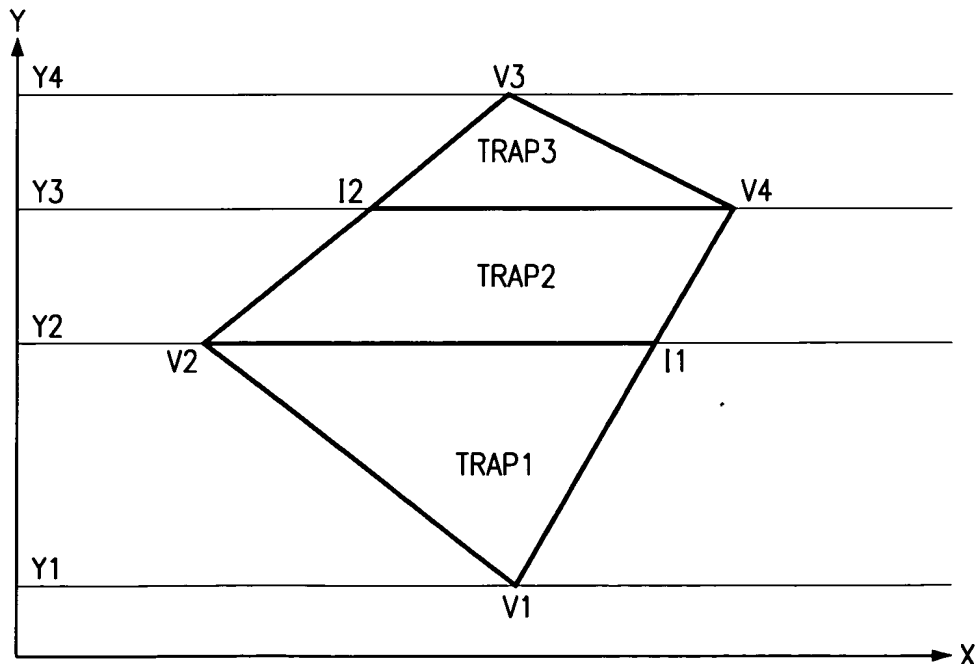
*FIG. 14*  
(PRIOR ART)

DIAMOND=SUBJECT POLYGON  
SQUARE=CLIP POLYGON



*FIG. 15*  
(PRIOR ART)

S=SUBJECT POLYGON  
C=CLIP POLYGON





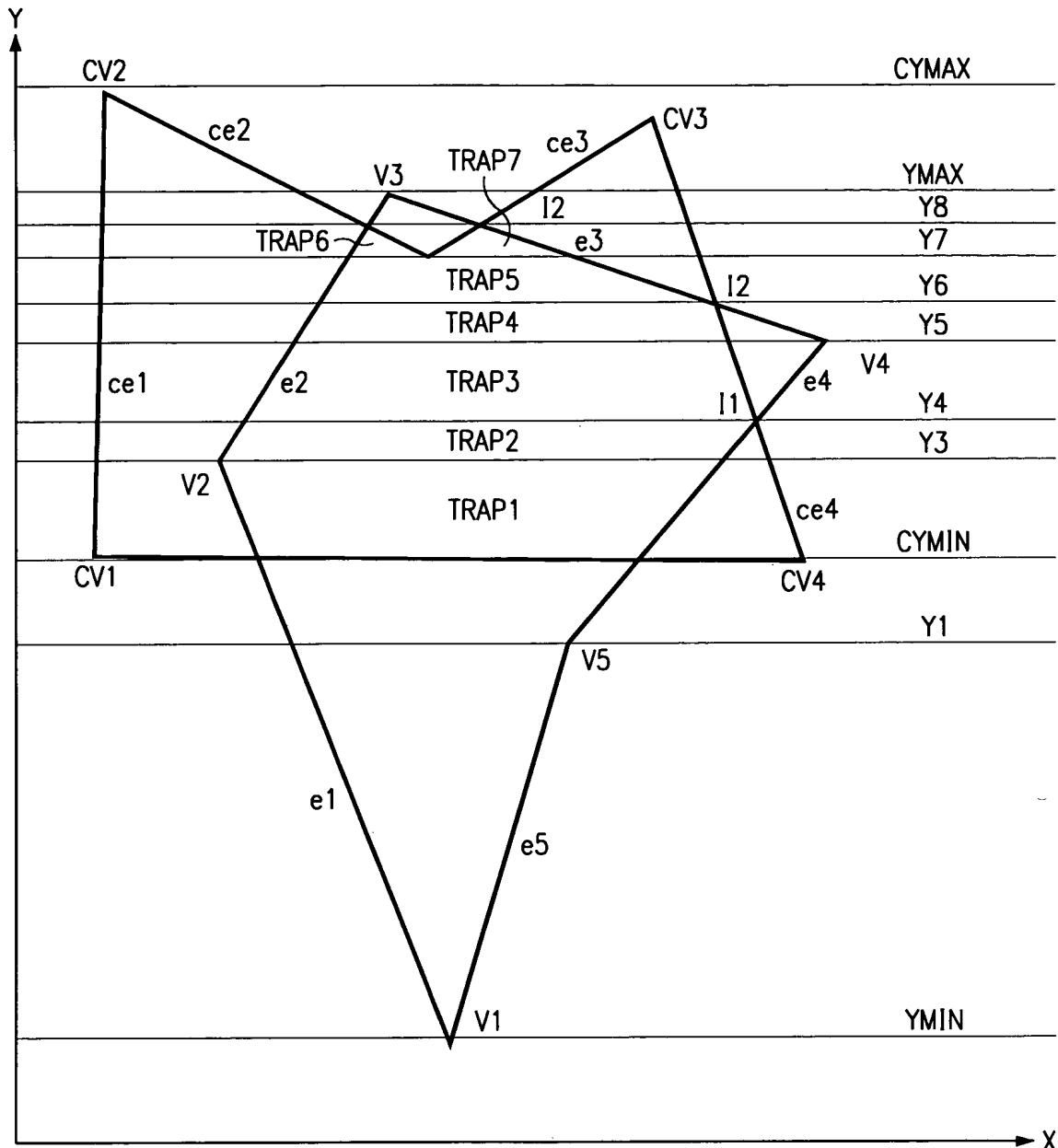


FIG. 17

CE1	x1	CE4	x2	AET OF CLIP POLYGON AT SCANLINE CYMIN
-----	----	-----	----	---------------------------------------

E1	x3	E4	x4	AET OF SUBJECT POLYGON AT SCANLINE CYMIN
----	----	----	----	--

x1,x2,x3,x4 XBOTTOM VALUES OF RESPECTIVE EDGES.


FROM FIGURE 17,  $x1 < x3$  AND  $x2 > x4$


xleft=MAXIMUM (x1,x3) i.e. EDGE E1

xright=MINIMUM (x2,x4) i.e. EDGE E4

FIG. 18

AETs AT SCANLINE Y7

ce1 xb1	ce2 xb2	ce3 xb3	ce4 xb4	
---------	---------	---------	---------	---

e2 xb5	e3 xb6	
--------	--------	---

xb1...xb6 ARE RESPECTIVE XBOTTOMS  
OF THE EDGES IN THE AETs

FROM FIGURE 17,  $xb1 < xb5$  AND  $xb4 > xb6$

xleft=MAXIMUM (xb1,xb5) i.e. EDGE ce1

xright=MINIMUM (xb2,xb6) i.e. EDGE ce2

SECOND TRAPEZOID IS POSSIBLE AS THE AETs DID NOT REACH THE END OF LIST

xleft=MINIMUM (xb3,xb6) i.e. EDGE ce3

xright=MINIMUM (xb4,xb6) i.e. EDGE e3

FIG. 19

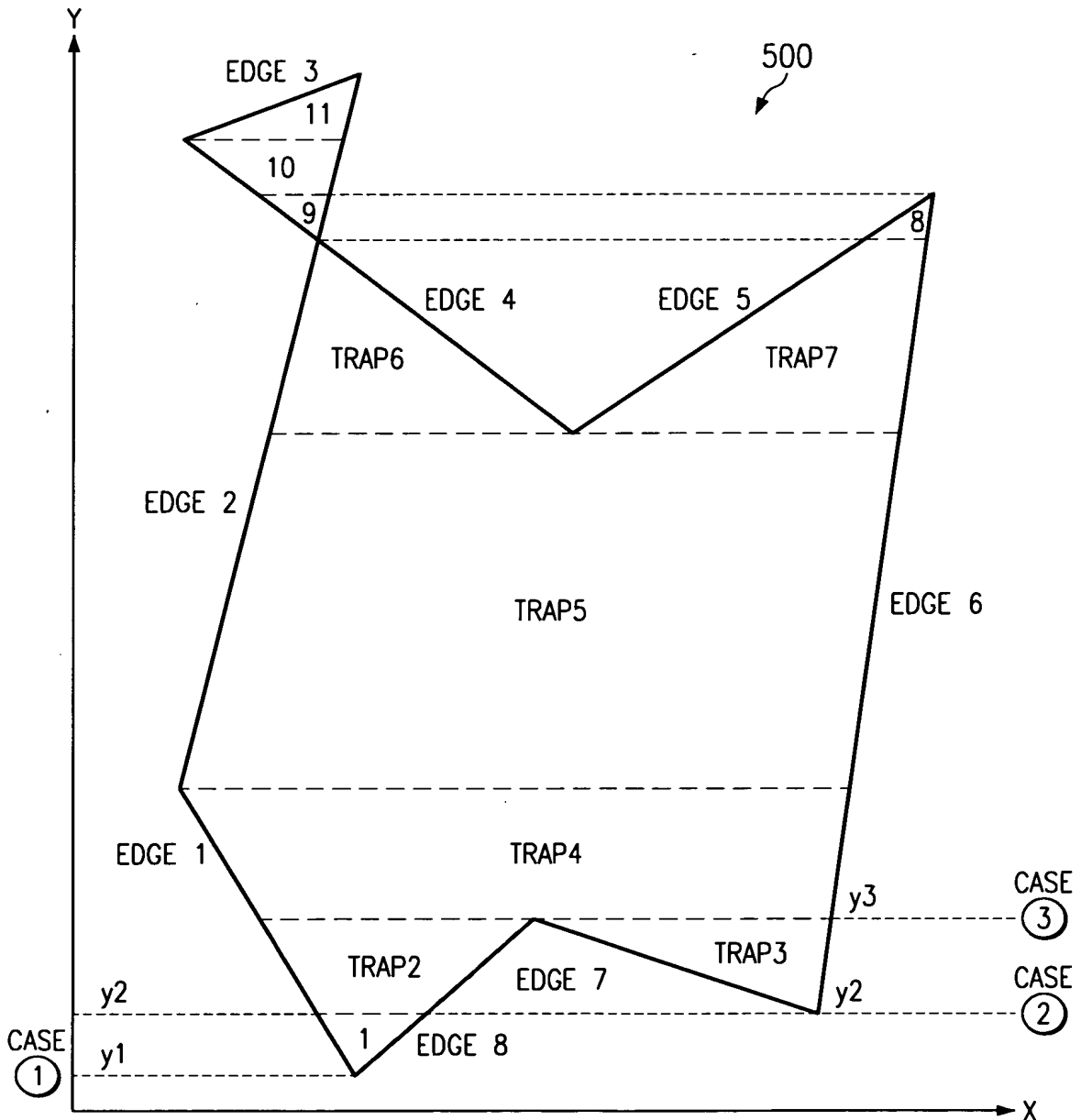


FIG. 20

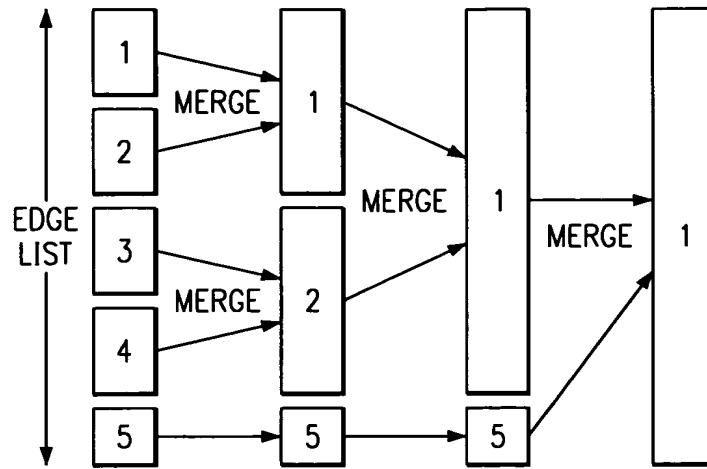


FIG. 21

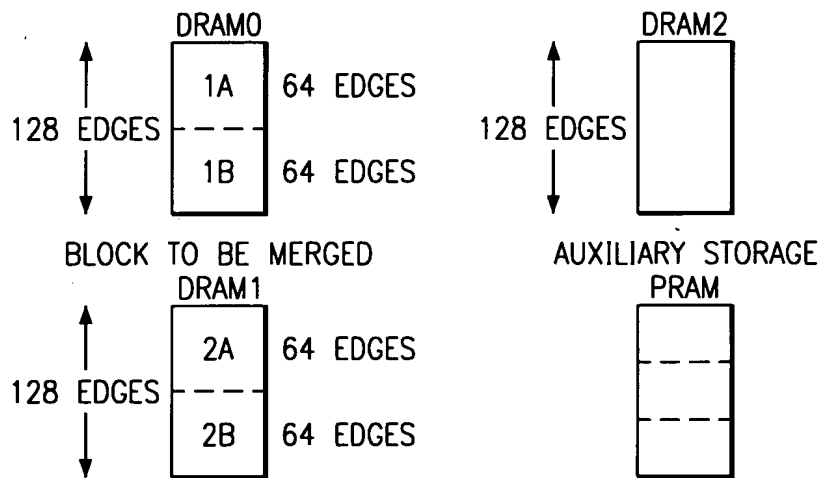


FIG. 22

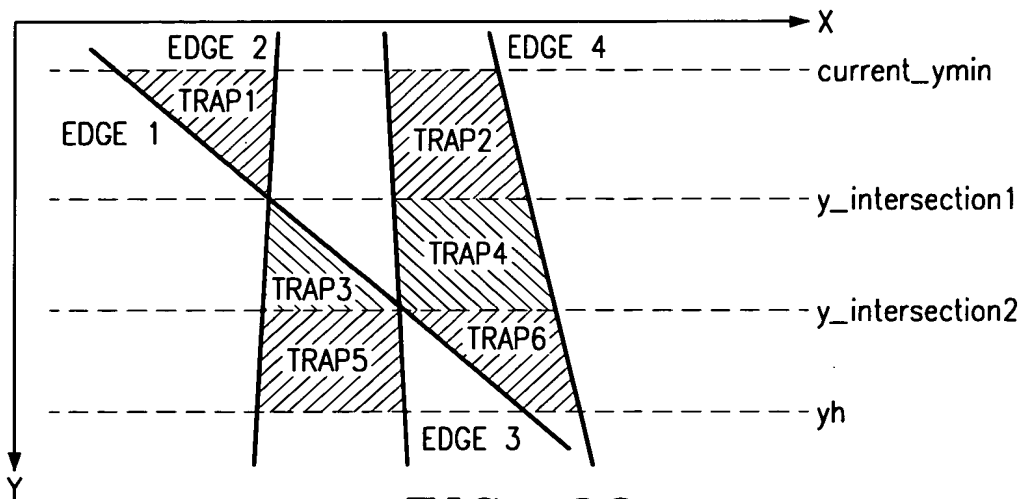


FIG. 23

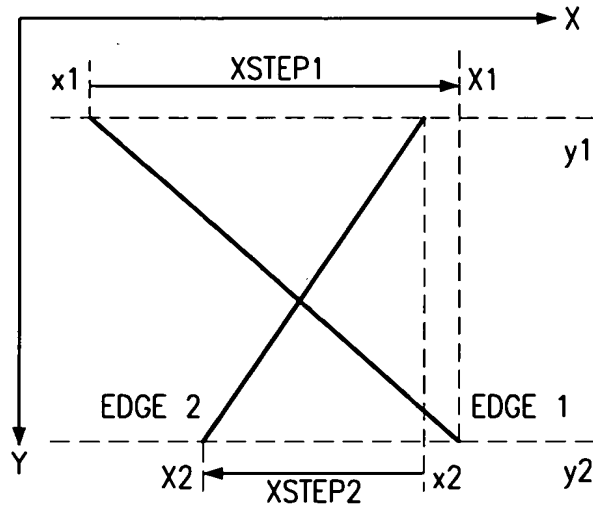


FIG. 24

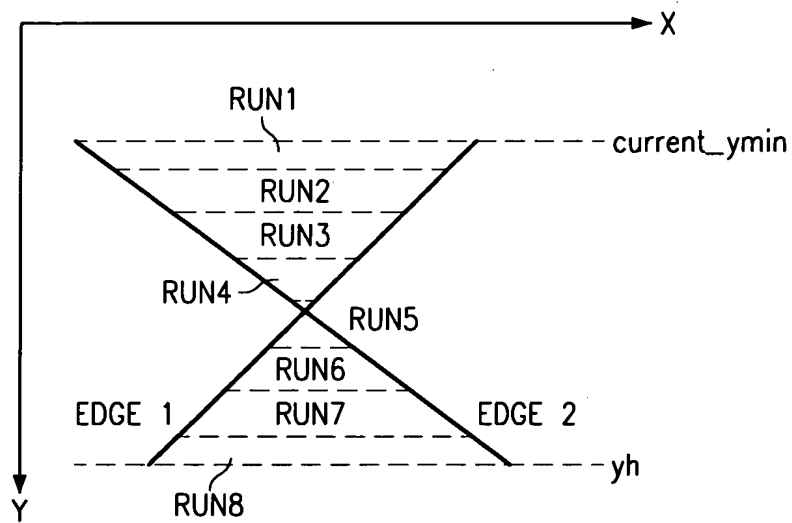


FIG. 25

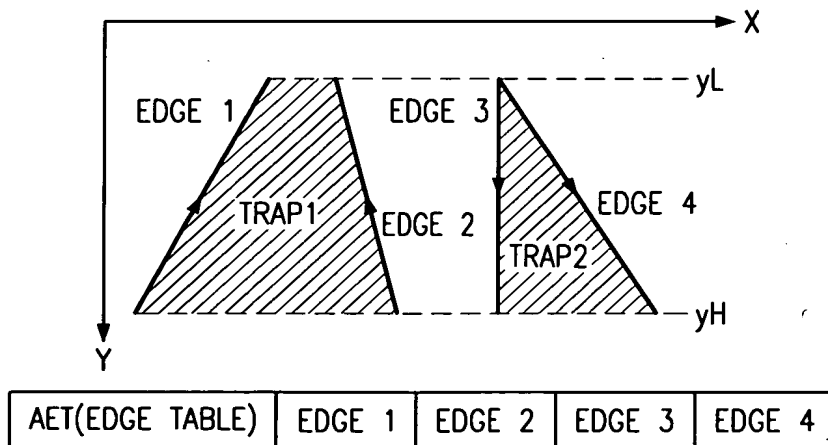


FIG. 26

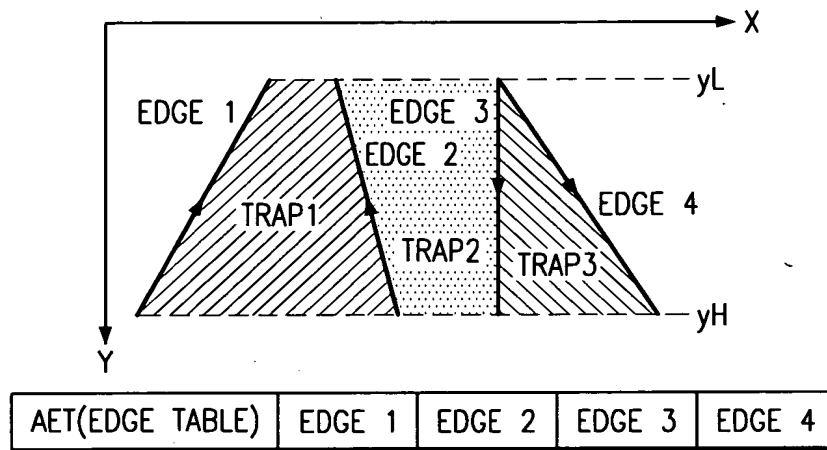


FIG. 27

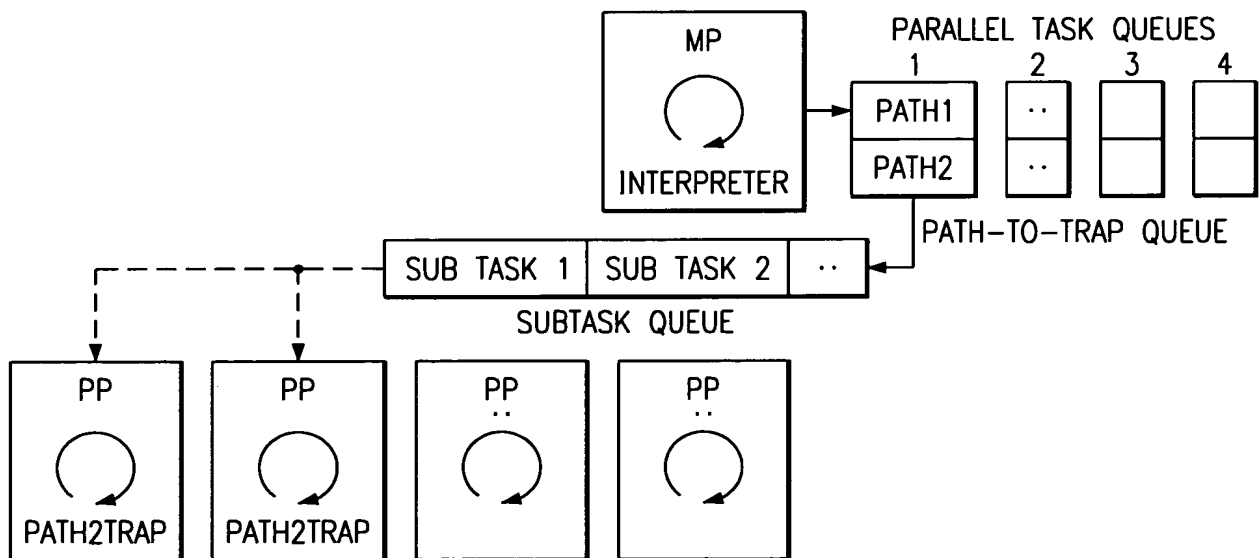


FIG. 28